

IN THE CLAIMS:

1. (cancelled)

2. (cancelled)

3. (original) A two-component developer for use in electrographic printing comprising substantially spherical toner particles and substantially spherical magnetic carrier particles, the carrier particles having a dielectric constant  $\epsilon_c$  of at least about 6, the toner particles having a radius  $R_T$  and the carrier particles having a radius  $R_C$ , wherein  $R_C$  is between about  $1.5R_T$  and about  $10R_T$ .

4. (original) The developer of claim 3, wherein  $R_C$  is between about  $2R_T$  and about  $5R_T$ .

5. (original) The developer of claim 3, wherein the carrier particles have a dielectric constant  $\epsilon_c$  greater than about 10.

6. (original) The developer of claim 5, wherein  $R_C$  is between about  $2R_T$  and about  $5R_T$ .

7. (original) The developer of claim 3, wherein the carrier particles have a dielectric constant  $\epsilon_c$  greater than about 100.

8. (original) The developer of claim 7, wherein  $R_C$  is between about  $2R_T$  to about  $5R_T$ .

9. (original) The developer of claim 3, wherein the carrier particles have a dielectric constant  $\epsilon_c$  greater than about 298.

10. (original) The developer of claim 9, wherein  $R_C$  is between about  $2R_T$  to about  $5R_T$ .

<sup>17.</sup>  
11. (currently amended) A method for producing electrographic images comprising the steps of:

(a) providing an electrographic printer comprising an imaging member, a toning shell located adjacent the imaging member and defining an external electric field of image development therebetween, and a two-component developer, comprising substantially spherical toner particles and substantially spherical magnetic carrier particles,

the carrier particles having a dielectric constant  $\epsilon_c$  of at least about 6,

the toner particles having a radius  $R_T$  and the carrier particles having a radius  $R_C$ , wherein  $R_C$  is between about  $1.5R_T$  and about  $10R_T$ ; and

(b) causing developer to move through the external electric field, interacting with an electrostatic image carried on the imaging member.

<sup>18.</sup>  
12. (original) The method of claim <sup>17</sup> 11, wherein  $R_C$  is between about  $2R_T$  and about  $5R_T$ .

<sup>19.</sup>  
13. (original) The method of claim <sup>17</sup> 11, wherein the carrier particles have a dielectric constant  $\epsilon_c$  greater than about 10.

<sup>20.</sup>  
14. (original) The method of claim <sup>19</sup> 13, wherein  $R_C$  is between about  $2R_T$  and about  $5R_T$ .

<sup>21.</sup>  
15. (original) The method of claim <sup>17</sup> 11, wherein the carrier particles have a dielectric constant  $\epsilon_c$  greater than about 100.

<sup>22.</sup>  
16. (original) The method of claim <sup>21</sup> 15, wherein  $R_C$  is between about  $2R_T$  to about  $5R_T$ .

<sup>23.</sup>  
17. (original) The method of claim <sup>17</sup> 11, wherein the carrier particles have a dielectric constant  $\epsilon_c$  greater than about 298.

24. 18. (original) The method of claim 17, wherein  $R_C$  is between about  $2R_T$  to about  $5R_T$ .

25. 19. (original) The method of claim 11, wherein the external electric field of image development is less than the electric field produced by a uniformly-charged toner particle of charge  $q$  and radius  $R_T$ .

9. 20. (currently amended) The developer of claim 24, the carrier particles having a size distribution according to the Schulz distribution with  $z$  greater than about 6.

10. 21. (currently amended) The developer of claim 24, the carrier particles having a size distribution according to the Schulz distribution with  $z$  greater than about 10.

11. 22. (currently amended) The developer of claim 24, the carrier particles having a size distribution according to the Schulz distribution with  $z$  greater than about 50.

12. 23. (currently amended) The developer of claim 24, the carrier particles having a size distribution according to the Schulz distribution with  $z$  greater than about 100.

13. 24. (currently amended) The developer of claim 24, the toner particles having a size distribution according to the Schulz distribution with  $z$  greater than about 20.

14. 25. (currently amended) The developer of claim 24, the toner particles having a size distribution according to the Schulz distribution with  $z$  greater than about 30.

15. 26. (currently amended) The developer of claim 24, the toner particles having a size distribution according to the Schulz distribution with  $z$  greater than about 50.

16. 27. (currently amended) The developer of claim 24, the toner particles having a size distribution according to the Schulz distribution with  $z$  greater than about 100.